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(54) Title: CATALYST AND PROCESS FOR THE PRODUCTION OF ACETIC ACID

(57) Abstract: A catalyst and process for the production of acetic acid by the carbonylation of methanol and/or a reactive derivative thereof. The catalyst system comprises an iridium carbonylation catalyst, methyl iodide co-catalyst, optionally at least one of ruthenium, osmium, rhenium, zinc, gallium, tungsten, cadmium, mercury and indium and at least one non-hydrohalogenoic acid promoter. The non-hydrohalogenoic acid may be an oxoacid, a superacid and/or a heteropolyacid.

A1

WO 2005/009939